

Application No.: 09/854,731
Case No.: BB1171USDIV(7560*43)
Confirmation No.: 1564

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This listing of claims will replace all prior versions and listings of claims in the application:

Listing of Claims:

31. (Currently amended) An isolated polynucleotide comprising:

(a) a nucleotide sequence encoding a polypeptide having calcium dependent protein kinase activity, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:4 have at least 90% identity based on the Clustal alignment method with multiple alignment default parameters of GAP PENALTY=10 and GAP LENGTH PENALTY=10 and pairwise alignment default parameters of KTUPLE=1, GAP PENALTY=3, WINDOW=5 and DIAGONALS SAVED=5, or

(b) the complement of the nucleotide sequence.

32. (Previously amended) The polynucleotide of Claim 31, wherein the amino acid sequence of the polypeptide and the amino acid sequence of SEQ ID NO:4 have at least 95% identity based on the Clustal alignment method with the multiple alignment default parameters and the pairwise alignment default parameters.

33. (Previously added) The polynucleotide of claim 31 comprising the nucleotide sequence of SEQ ID NO:3.

34. (Previously added) The polynucleotide of claim 31, wherein the polypeptide comprises the amino acid sequence of SEQ ID NO:4.

35. (Previously added) A chimeric gene comprising the polynucleotide of claim 31 operably linked to a regulatory sequence.

36. (Previously added) An expression vector comprising the polynucleotide of claim 31.

37. (Previously added) A method for transforming a cell comprising transforming a cell with the polynucleotide of claim 31.

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38. (Previously added) A cell comprising the chimeric gene of claim 35.

39. (Previously added) A method for producing a plant comprising transforming a plant cell with the polynucleotide of claim 31 and regenerating a plant from the transformed plant cell.

40. (Previously added) A plant comprising the chimeric gene of claim 35.

41. (Previously added) A seed comprising the chimeric gene of claim 35.

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